

IN THE ABSTRACT

Please delete the Abstract in its entirety and insert therefore the following new abstract:

[0045] A superconducting tape includes a substrate, a buffer layer overlying the substrate, a superconductor layer overlying the buffer layer, and an electroplated stabilizer layer overlying the superconductor layer. The tape provides for low AC losses, and is particularly suitable for deployment in components where attenuation of AC losses is important, such as in rotating machines.